

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/11789

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G09B 21/00

US CL : 434/113

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 434/112-117,307R,365; 400/109.1,110,472; 345/163; 704/1; 715/542; 382/114,185; 340/825.19; 283/67

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| A | US 4,445,871 A (BECKER) 01 May 1984 (01.05.1984), see Figs. 1-23B. | 1-30 |
| A | US 4,650,421 A (ANCZUROWSKI) 17 March 1987 (17.03.1987), see Figs 1-5E. | 1-30 |
| A | US 4,737,108 A (CHEPATIS) 12 April 1988 (12.04.1988), see Figs. 1-6. | 1-30 |
| A | US 5,050,121 A (VAUGHAN) 17 September 1991 (17.09.1991), see Figs. 1-15H. | 1-30 |
| A | US 5,108,290 A (ERIKSSON) 28 April 1992 (28.04.1992), see Figs. 1 and 2. | 1-30 |
| A | US 5,286,204 A (MINARDI) 15 February 1994 (15.02.1994), see Figs. 1-4. | 1-30 |
| A | US 5,999,895 A (FOREST) 07 December 1999 (07.12.1999), see Figs. 1-67. | 1-30 |

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
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- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

29 June 2003 (29.06.2003)

Date of mailing of the international search report

11 JUL 2003

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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

East

search terms: font, alphabetic symbols, circular frame, square frame, tactile, spacing, shape, size, display, color, gaps.